



U.S. DEPARTMENT OF
ENERGY

West Valley Demonstration Project

Safety Cleanup Performance Closure

Pre-Solicitation Conference

Phase 1 Decommissioning-Facilities Disposition Contract

September 13, 2010



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Contact Information

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Logistics/Ground Rules

- No audio or video recording is permitted.
- 3X5 cards are available to submit questions.
- Please submit questions in writing. Box is located at front check-in table or submit in accordance with official procurement website. Identity of question submitter is not needed.
- DOE may answer some questions during the pre-solicitation conference today, if time permits; however, all questions will be answered and posted on the official website.
- Briefing slides, tour script, attendee list, and responses to questions will be posted on the website.
- The written terms and conditions of the RFP, once released, will govern over any information presented today. Information provide today is at a summary level and subject to change.



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Agenda

- Background
- Contract Specifics
- Tour Information



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Purpose and Scope

The scope of this contract includes the facility disposition portion of the work of Phase 1 Decommissioning. The Contractor has the responsibility for total performance under the contract, including determining the specific methods for accomplishing the work. This contract will be referred to as “WVDP Phase 1 Decommissioning-Facilities Disposition.”

Purpose and Scope

Services to be provided include but are not limited to:

- Project management and support services
- Site operations, maintenance, and utilities
- High-level Waste canister relocation
- Facility disposition
- Waste Tank Farm management
- NRC-licensed Disposal Area management
- Waste management and nuclear materials disposition
- Safeguards and security

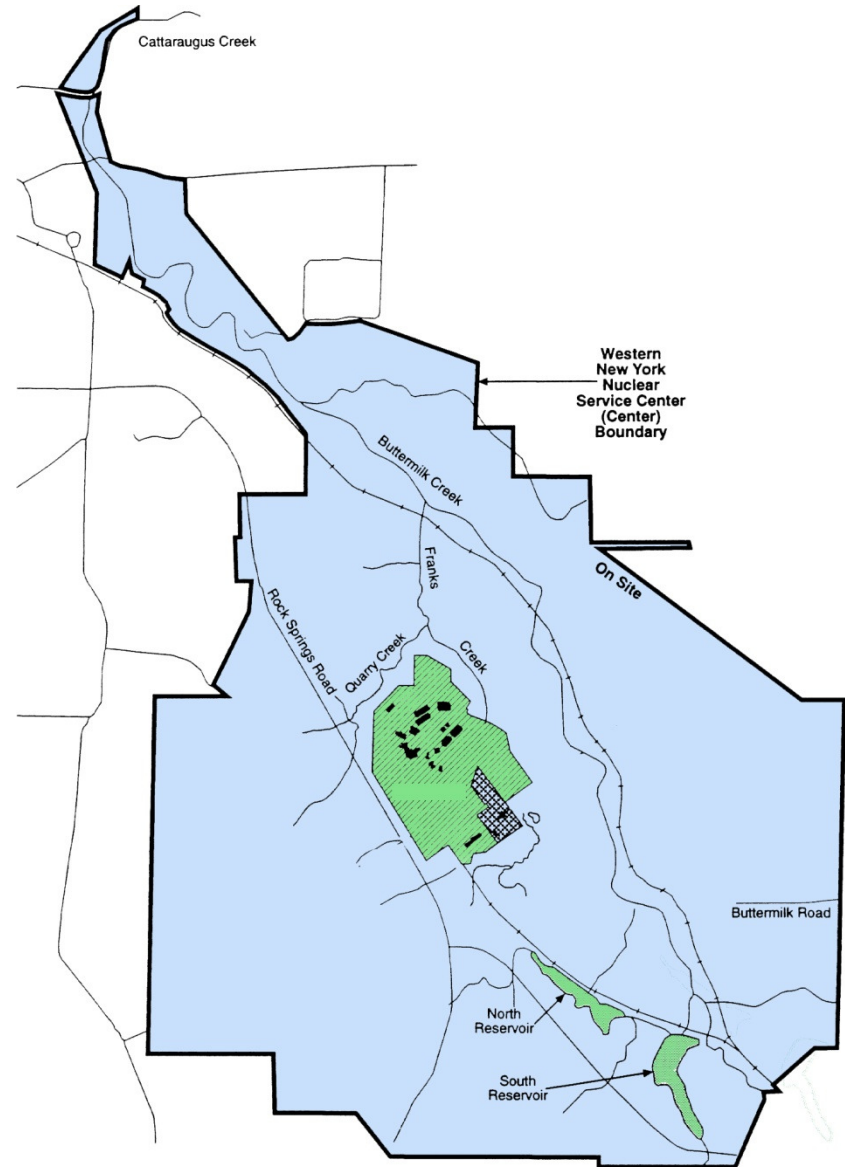
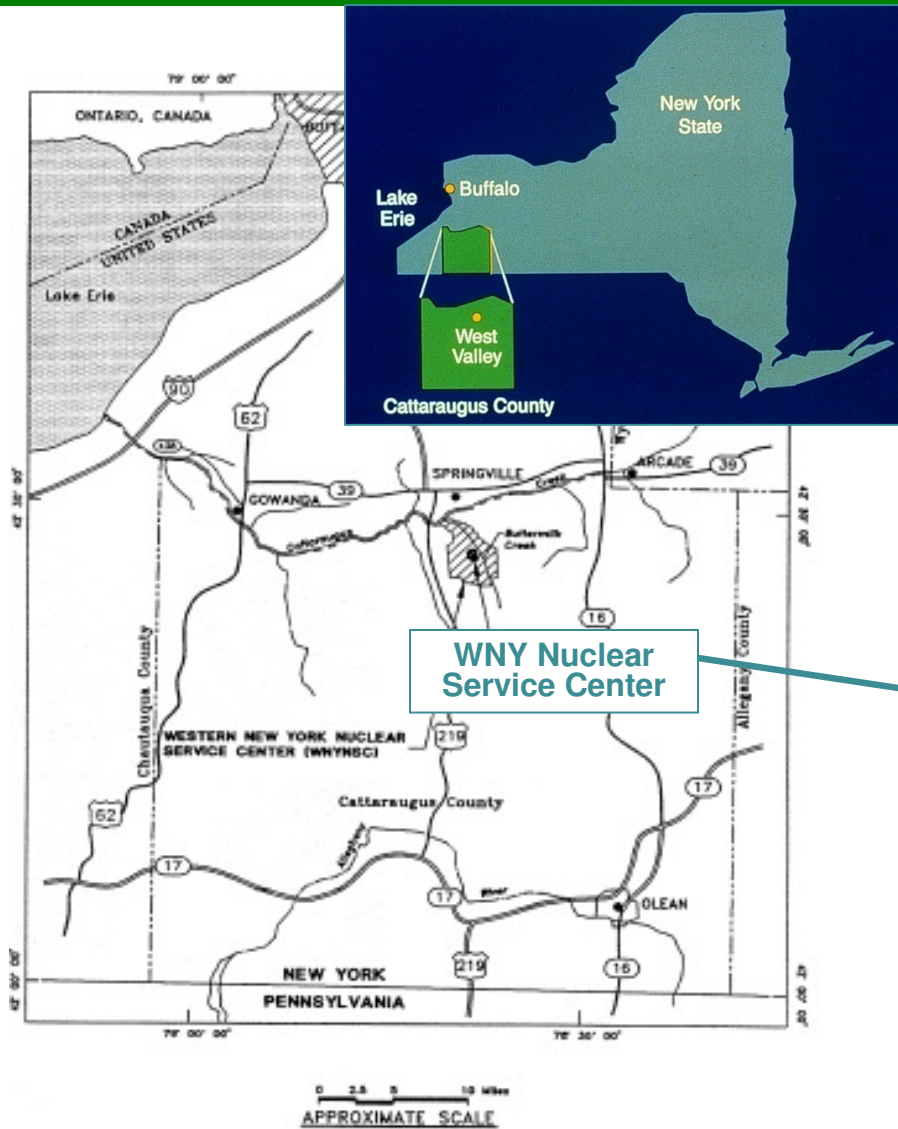


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Location of WVDP



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Meeting - July 2010 - Page 8 Performance ❖ cleanup ❖ closure

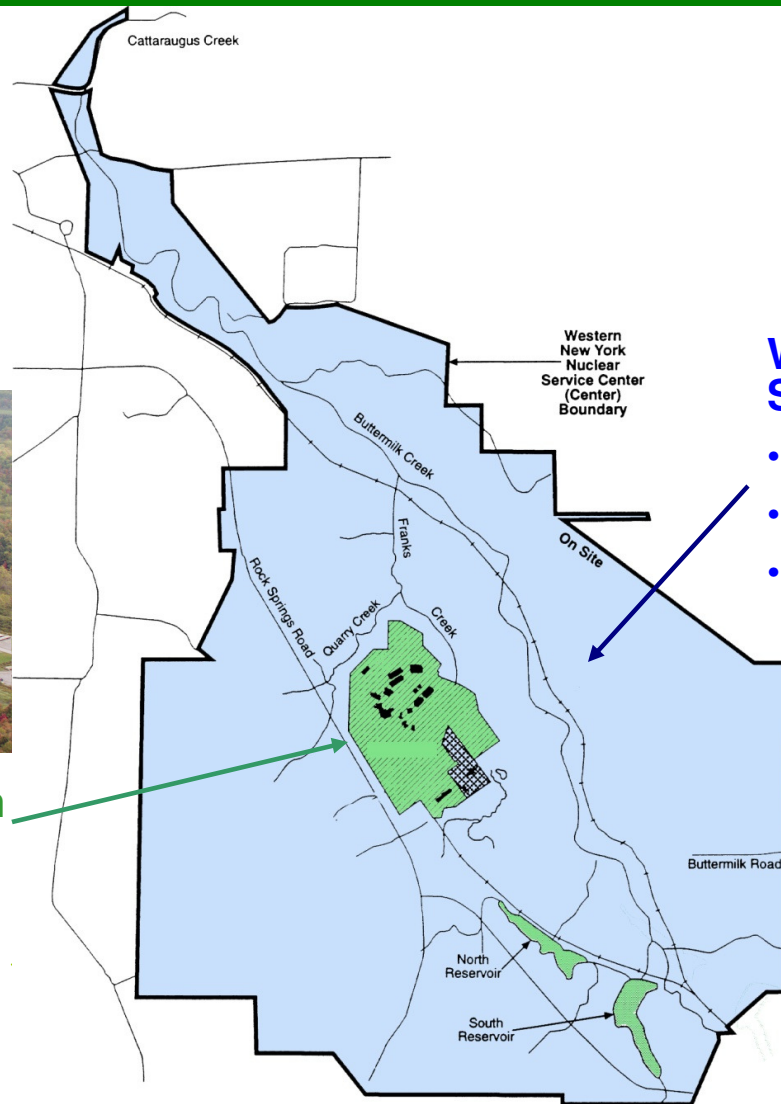
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Project Participants



West Valley Demonstration Project (WVDP) Premises

- DOE-managed
- ~ 200 acres



NYSERDA

Western New York Nuclear Service Center (WNYNSC)

- State-managed
- ~ 3100 acres
- Includes SDA



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WVDP Act

- Solidify the high-level radioactive waste at the Center *Completed*
- Develop containers suitable for permanent disposal of the waste *Completed*
- Transport the solidified waste to a federal repository for permanent disposal *Pending Repository*
- Dispose of low-level radioactive waste and transuranic waste *In Process*
- Decontaminate and decommission the underground high-level waste tanks, facilities and any material and hardware used in connection with the Project *In Process*



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WVDP and WNYNSC Facilities



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Decommissioning and/or Long-Term Stewardship EIS*

The Proposed Action in this EIS was the completion of the West Valley Demonstration Project (WVDP) and the decommissioning and/or long-term management or stewardship of the Western New York Nuclear Service Center (WNYNSC)

- **DOE proposed to decontaminate and decommission tanks and other WNYNSC facilities in which high-level radioactive waste (HLW) solidified under the WVDP is stored, the facilities used to solidify the waste, and any material or hardware used in connection with the project, in accordance with the WVDP Act.**
- **NYSERDA needed to determine how the facilities and property for which it is responsible would be managed or decommissioned.**
- **Three alternatives for achieving the Proposed Action were considered in the EIS.**

* Final Environmental Impact Statement for the Decommissioning and/or Long-Term Stewardship of the West Valley Demonstration Project and Western New York Nuclear Service Center, DOE/EIS-0226



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Phased Decisionmaking

- **Phase 1**

- Main Plant Process Building, Vitrification Facility and 01-14 Building, source area of North Plateau Groundwater Plume and lagoons would be removed over 8-year period
- No decommissioning or long-term management decisions for Waste Tank Farm and support facilities, Construction and Demolition and Debris Landfill, non-source area of the plume, or NDA
- State-licensed Disposal Area (SDA) would be under active management for up to 30 years
- Additional characterization and studies would provide information to support evaluations to determine technical approach to complete decommissioning
- Major Construction
 - Interim Storage Facility
 - Barrier walls in WMAs 1 and 2
- Vitrified HLW canisters stored on site until shipped to Federal repository

- **Phase 2**

- Decommissioning or long-term management decision-making would be completed, following approach determined through Phase 1 evaluations



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Contract Specifics

- Contract overview
- Contract scope
- Contract type
- Performance period
- Overview of RFP



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Contract Overview

- HLW Canister Relocation
- Facility disposition (portion of the work that constitutes Phase 1 Decommissioning)
- Stewardship, maintenance, and operational activities necessary to maintain the site
- Waste disposal
- Support for other DOE contractors



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Support to Other DOE Contractors

Environmental Characterization Services (ECS) Contractor Scope

- Work is located at the WVDP to support:
 - Pre-remedial design characterization (nature and extent, emphasis on soils and sediments)
 - Characterization support during remedial work activities
 - Final status survey work
 - Environmental monitoring
 - Emphasis on radiological contaminants but may include RCRA constituents as well



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Support to Other DOE Contractors

Environmental Characterization Services (ECS)

Contractor Scope (cont'd.)

- Sampling of soil, sediments and surface water and groundwater at the surface and subsurface for radiological and chemical properties.
- Provide characterization of the media sampled from a qualified laboratory and provide quick-turn around sampling results to support in-field decision-making.
- Provide location in three dimensions tied to Geographic Information Systems in order to reacquire any location that was sampled.



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Contract Scope

Services to be provided include but are not limited to:

- Project management and support services
- Site operations, maintenance, and utilities
- Permeable Treatment Wall (PTW) management
- High-Level Waste canister relocation
- Facility disposition
- Waste Tank Farm management
- NRC-licensed Disposal Area management
- Waste management and nuclear materials disposition
- Safeguards and security



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Project Management and Support Services

- Integrated Safety Management System
- Engineering
- Business Administration
- Support to Other DOE Contractors



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Site Operations, Maintenance, and Utilities

- Provide for safe, economical, and efficient operation and maintenance of all project facilities



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PTW Management

- Operation and maintenance of the Permeable Treatment Wall
- Disposition of soil catchment area



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High-Level Waste (HLW) Canister Relocation

- Modification of existing facilities, as necessary
- Design, construction and operation of dry cask storage system for HLW
- Relocation of HLW Canisters to new system



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Facility Disposition

- Main Plant Process Building (MPPB) Demolition and Removal
- Vitrification Facility Demolition and Removal
- Balance of Site Facility Removal and Decommissioning
- Remote Handled Waste Facility (RHWF)
- Low-Level Radiological Waste Treatment System Operations



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MPPB Demolition and Removal

- Decontaminate Liquid Waste Cell, Uranium Product Cell
- Remove and process all liquids
- Complete utility isolations
- Remove structure to nominal 100' elevation (ground level), +/- 3'



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Main Plant Process Building (MPPB) looking East



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MPPB Looking South



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Vitrification Facility Demolition and Removal

- Decontaminate work cell
- Remove structure to nominal 100' elevation (ground level) +/- 3'



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Vitrification Facility



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RHWF

- Process remote handled waste as necessary
- Maintain facility in operable condition



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RHWF



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Balance of Site Facility Decommissioning

- Remove, demolish or maintain facilities as described in Attachment C-2 of Performance Work Statement
- Work includes removal of foundations and site restoration activities



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Balance of Site Facilities



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Low-Level Radiological Waste Treatment System Operations

- Continued operation of system to support water management requirements
- Evaluate and stabilize Lagoon 3 embankment



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Low-Level Radiological Waste Treatment System Operations



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Waste Tank Farm Management

- Operate, inspect, maintain, repair all necessary systems
- Operate Tank and Vault Drying System
- Characterize Tank 8D-4 contents, internal structures
- Remove Equipment Shelter, Condensers, and Con-Ed Building.
- Eliminate and/or control water infiltration into Waste Tank Farm from all sources



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Waste Tank Farm



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NRC-Licensed Disposal Area Management

- Inspect, conduct erosion monitoring, maintain, and repair NDA and NDA Cap
- Remove Liquid Pretreatment System
- Armor and protect NDA North Slope



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NRC-Licensed Disposal Area Management



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Waste Management and Nuclear Materials Disposition

- Characterize, process, package, and ship waste for disposal
 - Currently in storage
 - Generated or created during contract period
- Store orphan waste on site
- Obtain all necessary waste determinations
- Package TRU waste to WIPP WAC



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Waste Management and Nuclear Materials Disposition



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Safeguards and Security

- Ensure protection against:
 - Unauthorized access
 - Espionage
 - Loss or theft of property
 - Other hostile acts
- Maintain appropriate security clearances and control site access
- Maintain Information and Cyber-security programs



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Contract Specifics

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Contract Type and Performance Period

- This contract is a Cost-Plus-Award-Fee, completion type contract with the performance period beginning July 1, 2011 and not exceeding seven years.
- This contract will be referred to as “WVDP Phase 1 Decommissioning-Facilities Disposition.”

Contract Specifics

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Overview of Draft Request for Proposals

- Draft Request for Proposals (RFP) was issued on August 30, 2010
- Amendment 001 to the Draft RFP was issued on September 9, 2010, on the procurement web site
- Comments in response to the Draft RFP will be due on September 22, 2010
- DOE may consider some or all comments received in response to the Draft RFP to prepare the Final RFP
- The Final RFP will be issued on an unrestricted basis



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RFP Format

- **Sections A – J of the Final RFP will become the contract**
- **Section K will be incorporated by reference into the contract**
- **Sections L and M contain the solicitation instructions and the basis for evaluation and award**



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Section A – Solicitation, Offer and Award

- **Consists of the Standard Form 33**
- **Minimum Proposal Acceptance Period will be 240 days**
- **Must be signed by an authorized representative of the Offeror as part of the proposal**
- **Becomes a fully-executed contract when signed by the Government within the Minimum Proposal Acceptance Period**



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Section B – Supplies or Services and Prices/Costs

- **Cost-Plus-Award-Fee (CPAF) contract not to exceed seven years**
- **60-day transition period**
 - **No fee shall be paid during the transition period**
- **Contains two fee components**
 - **Award Fee**
 - **Performance Based Incentives (PBIs)**
- **The Contract will contain no base fee**



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Section B – Supplies or Services and Prices/Costs (cont'd)

- **Award fee will be evaluated semiannually for work identified in the RFP that will be continuous throughout the contract period and for which a clearly defined end state cannot be established**
 - **Project management and support services**
 - **Site operations, maintenance and utilities**
- **Purpose is to incentivize the Contractor to provide the highest quality services to the Government at the most economical cost; fee determination based on subjective components**
- **Offerors shall propose a maximum award fee of up to 10% of the Estimated/Target Cost for each award fee CLIN/WBS identified in Clause B.2**
- **Total price of each award fee CLIN/WBS shall consist of the Offeror's Estimated/Target Cost plus the Available/Maximum Fee for the CLIN/WBS**



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Section B – Supplies or Services and Prices/Costs (cont'd)

- **PBIs will be tied to work for which a clearly-defined end state can be specified**
 - **Processing, shipment, and disposal of all Legacy waste off site**
 - **High Level Waste (HLW) canister relocation**
 - **Demolition of the Main Plant Process Building (MPPB) and the Vitrification Facility**
- **The Government has established a maximum fee of 12% and a minimum fee of 2% of Est./Target Cost for each CLIN/WBS to which a PBI is tied; Offerors shall propose a target fee for each CLIN/WBS to which a PBI is tied**
- **PBIs will have two objective components**
 - a.) **Schedule incentives (80%)**
 - b.) **Cost incentives (20%)**



Section B – Supplies or Services and Prices/Costs (cont'd)

Schedule Incentives

- Offerors shall propose a milestone completion date for each CLIN/WBS to which a PBI is tied based on the Government's definition of completion
- Max. Schedule Incentive Fee is 9.6% (12% fee at 80% allocation); Min. Schedule Incentive Fee is 1.6% (2% fee at 80% allocation)
- Fee will be reduced by 0.8% of the Est./Target Cost for every month a completion date falls after the Milestone Date established for receipt of the Target Fee
- Fee will be increased by 0.4% of the Est./Target Cost for every month the completion date falls before the Milestone Date established for receipt of the Target Fee



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Section B – Supplies or Services and Prices/Costs (cont'd)

Example:

- **Proposed Est. Target Cost = \$1 million**
 - **Max. Schedule Incentive Fee = \$96,000 (9.6% x \$1 million)**
 - **Min. Schedule Incentive Fee = \$16,000 (1.6% x \$1 million)**
- **Contractor proposed target fee of 9% (7.2% based on 80% application)**
- **Target Fee = \$72,000 (7.2% x \$1 million)**
- **Contractor proposed milestone completion date of June 30, 2014**
- **Contractor will be penalized by 0.8% or \$8,000 for every month the completion date falls after the milestone completion date**
- **Contractor may be awarded 0.4% or \$4,000 in additional fee for every month the completion date falls before the milestone completion date**



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Section B – Supplies or Services and Prices/Costs (cont'd)

- **Cost Incentives**
 - **Max. Cost Incentive Fee is 2.4% (12% fee at 20% allocation);
Min. Cost Incentive Fee is 0.4% (2% fee at 20% allocation)**
- **Costs greater than the est. target cost or savings less than the est. target cost will be shared as follows:**
 - **Government's share: 90%**
 - **Contractor's share: 10%**



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Section B – Supplies or Services and Prices/Costs (cont'd)

Example:

- **Proposed Est. Target Cost = \$1 million**
 - Max. Cost Incentive Fee = \$24,000
 - Min. Cost Incentive Fee = \$4,000
- **Contractor proposed target fee of 9% (1.8% based on 20% allocation)**
- **Target Fee = \$18,000 (1.8% x \$1 million)**
- **Max. Cost Incentive Fee is achieved for actual cost of \$940,000 based on \$60,000 in savings**
 - Government share = \$54,000 (90% of \$60,000)
 - Contractor share = \$6,000 (10% of \$60,000)
- **Min. Cost Incentive Fee is achieved for actual cost of \$1,140,000 based on \$140,000 cost overrun**
 - Government share = \$126,000 (90% of \$140,000)
 - Contractor share = \$14,000 (10% of \$140,000)



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Section H – Special Contract Requirements

- **(Clause H.8)—Key Personnel Replacement**
 - Specifies required Key Personnel
 - Specifies penalties if Key Personnel leave within 3 years of contract award or being placed in position
- **(Clause H.10)—Workforce Transition and Employee Hiring Preferences**
 - Contractor must give first preference in hiring to qualified incumbent employees for non-managerial positions for first 6 months after contract award
- **(Clause H.11)—Employee Compensation: Pay and Benefits**
 - Contractor must provide equivalent pay and benefits to incumbent employees
- **(Clause H.18)—Project Control Systems and Reporting Requirements**
 - Contractor must provide detailed Earned Value Management System Description of proposed project control system within 60 days of contract award
 - Contractor must submit a baseline within six months of the contract award date



Section H – Special Contract Requirements (cont'd)

- **(Clause H.40)—Performance Guarantee and Responsible Corporate Official**
 - Applicable if Contractor is a joint venture, limited liability company, or a newly formed entity
 - Requires parent organizations or all member entities to assume joint and severable liability for the performance of the contract
 - Requires Contractor to identify a single responsible corporate official, at a level above the Contractor, who is accountable for contract performance
- **(Clause H.43)—Mentor-Protégé Program**
 - Requires the Contractor to mentor at least one active Protégé company through the DOE and/or SBA Programs beginning 90 days of contract award and continuing throughout the contract period



Section L – Instructions to Offerors

- **Provision L.1 – FAR 52.215-1, Instructions to Offerors—Competitive Acquisition (JAN 2004)**
 - Government intends to award a contract without discussions
- **Provision L.2 – Proposal Preparation Instructions –General**
 - The proposal shall consist of three physically separate volumes:
 - a) Volume I – Offer and Other Documents (Provision L.3)
 - b) Volume II – Technical Proposal (Provision L.4)
 - c) Volume III – Cost and Fee Proposal (Provision L.5)



Section L – Instructions to Offerors (cont'd)

- **Volume I – Offer and Other Documents**
 - Standard Form (SF) 33
 - Small Business Subcontracting Plan
 - Representations and Certifications
 - Signed originals of all documents
- **Volume II – Technical Proposal – limited to 100 pages (excluding Past Performance references and Key Personnel resumes)**
 - a) Factor 1 - Technical Approach
 - b) Factor 2 - Key Personnel and Organizational Structure – resumes limited to 7 pages for Project Manager and 5 pages for all other Key Personnel
 - c) Factor 3 - Relevant Experience
 - d) Factor 4 – Past Performance
- **Volume III – Cost and Fee Proposal**
 - Offerors shall assume an award date of May 1, 2011, with a 2-month transition period
 - Offerors shall propose based on an annual DOE funding profile of \$60 million
 - Contract end state shall be the demolition and disposal of the Main Plant Process Building and the Vitrification Facility as defined in Clause B.2 for CLIN 6.1
 - Offerors shall propose contract period not to exceed 7 years based on annual funding profile and contract end state



Section L – Instructions to Offerors (cont'd)

- **Volume II – Technical Proposal**
 - **Factors 3 and 4 – Offeror shall provide experience and past performance references similar in size, scope and complexity to the work to be performed by each entity under the new contract**
 - **Provide for parent or holding companies, all teaming participants and major subcontractors**
 - **The contracts references in Factor 3 should be the same as those for which past performances will be provided for Factor 4**



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Section M – Evaluation Factors for Award

Provision M.2, Basis of Contract Award

- DOE intends to award one (1) contract to the responsible Offeror whose proposal is determined to be the best value and most advantageous to the Government considering the Technical Evaluation Factors and Evaluated Price**
- In determining best value, the Technical Evaluation Factors are significantly more important than the Evaluated Price**
- Evaluated Price will be calculated by combining the most probable cost and the proposed award and target incentive fee**



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Tour Reminders

- Appropriate attire
- Limit hand-carried items
- No photography
- Stay to watch visitor safety video
- Report for tour 30 minutes prior to scheduled start time
- No dosimetry required



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Facilities Not Included in Tour

- Reservoirs and Dams
- Firing Range
- Chemical Process Cell Waste Storage Area



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Reservoirs and Dams



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Firing Range

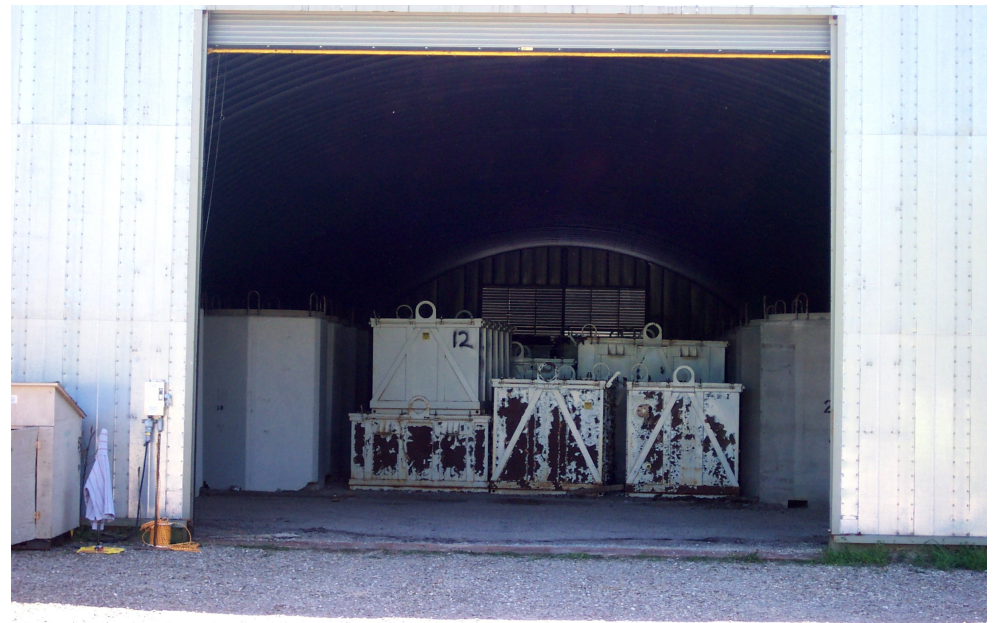


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CPC-WSA



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Closing Announcements



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Visitor Video

[Visitor safety video was shown for those individuals attending site tours.]



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